

UBC INC - ENGINEERING

Capabilities Statement

Core Competencies

- **Mechanical Engineering**
 - Mechanical Design • CAD • Engineering Drawings • Materials
 - DFM/DFA • Prototype Development
- **Electrical & PCB Engineering**
 - Circuit Design • PCB Design • Electrical Integration • Troubleshooting
 - Test Equipment Development
- **Embedded & Computer Engineering**
 - Embedded Systems • Firmware • Hardware/Software Integration
 - Interfaces • Controls • Automation
- **Prototype, Assembly & Integration**
 - Prototype Builds • Precision Assembly • System Integration
 - Troubleshooting • Design Iteration
- **Electromagnetic Design**
 - X, Ka and Ku Band Receiver/Transmitter • Waveform and Signal Generators
- **Test & Validation**
 - Functional Testing • Performance Verification • Test Development
 - Environmental Test Experience • Documentation • Microwave
 - MMW Development
- **Manufacturing & Supplier Support**
 - Supplier Coordination • Component Sourcing • Production Planning
 - Quality Control • Production Transition

Differentiators

UBC combines decades of proven engineering experience with the agility of a small, multidisciplinary team that can take projects from design through build, integration, and testing. With this experience we can develop specialized hardware for demanding applications and bring experience to commercial customers through practical engineering, integration, assembly, and testing.

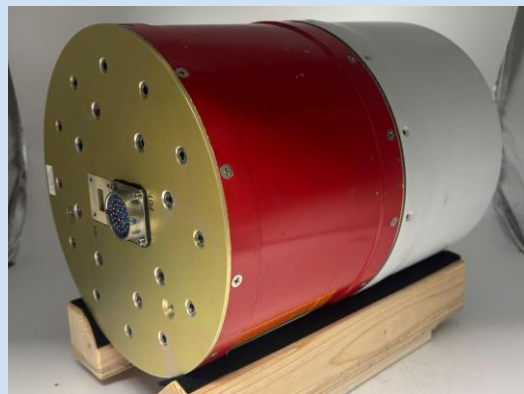
Relevant Experience

Recurring Government Programs | 1980–Present

Decades of experience developing and producing specialized hardware for demanding applications, supported by engineering, supplier coordination, manufacturing, assembly, testing, quality control, and technical support.

EXPANDING OUR CAPABILITIES | 2026–Present

Building on its established defense and aerospace expertise, UBC is expanding its multidisciplinary engineering, product development, integration, manufacturing, and testing capabilities to serve new customers, industries, and applications.



Company Snapshot

Established: 1980

Business Size: 5-10

Location: Tampa Bay, Florida

Bring us the entire project or one piece of it.

Contact Rachael for pricing and quotes.

Cage Code 4V721

NAICS Codes

541330 — Engineering Services

334220 — Radio and Television

Broadcasting and Wireless

Communications Equipment

Manufacturing

334511 — Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

541715 — Research and Development in the Physical, Engineering, and Life Sciences

334418 — Printed Circuit Assembly Manufacturing

336413 — Other Aircraft Parts and Auxiliary Equipment Manufacturing

Licenses & Certifications:

CMMC Level 1 (Self)

ISO-Aligned Quality Management System

Woman-owned Small Business

Disadvantaged Business Enterprise

Minority Business Enterprise

Contact

Rachael Maeda - New Business Liaison

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Key Clients



ADVANCED RADAR RESEARCH CENTER
The UNIVERSITY of OKLAHOMA

